



PLEASE NOTE -

- * Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,556
- ** Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/120,346

PTO/SB/08A (10-01)
Approved for use through 10/31/2002, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/71300570
				Filing Date	11/17/03
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	R. Gordon
				Attorney Docket Number	ZG015US
Sheet	1	of	7		

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
28		US 6,180,427 *	01.30.2001	Silverbrook	---
		US 6,425,651 **	07.30.2002	Silverbrook	---
		US 5,719,604	02.17.1998	Inui et al	---
		US 5,666,141	09.09.1997	Matoba et al	---
		US 4,672,398	06.09.1987	Kuwabara et al	---
		US 4,737,802	04.12.1988	Mielke	---
		US 5,029,805	07.09.1991	Albada et al	---
		US 5,258,774	11.02.1993	Rogers	---
		US 4,553,393	11.19.1985	Ruoff	---
		US 4,864,824	09.12.1989	Gabriel et al	---
28		US 4,423,401	12.27.1983	Mueller	---
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code 3 - Number ⁴ - Kind Code 5 (if known)				
		WO 01/89839 **	11.29.2001	Silverbrook Research Pty Ltd	11	
		WO 00/23279 **	04.27.2000	Silverbrook Research Pty Ltd	11	
		EP 0-713-774	05.29.1996	Sharp Kabushiki Kaisha	11	
		DE 195.16.997	11.16.1995	Sharp K.K.	11	
		DE 196 23 620	12.19.1996	Sharp K.K.	11	
		JP 2-108544 (Abstract)	04.20.1990	Seiko Epson Corp	11	
		JP 2-92643 (Abstract)	04.03.1990	Seiko Epson Corp	11	
		JP 4-353458 (Abstract)	12.08.1992	Brother Ind Ltd	11	
		JP 6-91865 (Abstract)	04.05.1994	Seikosha Co Ltd	11	
		JP 6-91866 (Abstract)	04.05.1994	Seikosha Co Ltd	11	
		JP 2-265752 (Abstract)	10.30.1990	Matsushita Electronic Ind Co Ltd	11	
		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	11	

Examiner Signature	<i>R. Gordon</i>	Date Considered	5/2004
-----------------------	------------------	--------------------	--------

* EXAMINER's Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.



Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,556
 ** Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/120,346

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/713005 70
				Filing Date	11/17/03
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	R. GORDON
Sheet	2	of	7	Attorney Docket Number	ZG015US

[illegible]

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code 3 - Number* - Kind Code* (if known)			
 		DE 195 32 913	03.28.1996	Sharp K.K	1
		JP 58* 112747 (Abstract)	07.05.1983	Fujitsu KK	1
		DE 43 28 433	03.02.1995	Heidelberg-Druckmaschinen AG	1
		JP 61.025849 (Abstract)	02.04.1986	Canon, Inc	1
		JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd	1
		JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp	1
		GB 2 262 152	06.09.1993	Willet Int Ltd	1
		DE 195-16 997	11.16.1995	Sharp K.K	1
		JP 05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd	1
		JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp	1
		DE 32 45 283	06.07.1984	Siemens AG	1
		JP 04 368851 (Abstract)	12.21.1992	Seiko Epson Corp	1

Examiner Signature	<i>Raguel</i>	Date Considered	5/2004
-----------------------	---------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,556
** Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/120,346

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/713000 70
				Filing Date	11/17/03
				First Named Inventor	Kia Silverbrook
				Art Unit	2953
				Examiner Name	R. GORDON
Sheet	3	of	7	Attorney Docket Number	ZG015US

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code 3 - Number* - Kind Code 3 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		JP 02 158348 (Abstract)	06.18.1990	Minolta Camera Co Ltd	///	
		JP 03 112662 (Abstract)	05.14.1991	Seiko Epson Corp.	///	
		JP 03 65348 (Abstract)	-03.20.1991-	Matsushita Electric Ind Co	///	
		EP.0.431.338.	06.12.1991	Matsushita Electric Ind Co	///	
		JP.01.257058	10.13.1989	Seiko Epson Corp.	///	
		DE 195 17 969	11.30.1995	Sharp K.K	///	
		DE 196 39 717	04.17.1997	Sharp K.K	///	
		EP 0 737 580	10.16.1996	Canon K.K	///	
		EP-0 882-590	12.09.1998	Canon K.K	///	
		EP-0.478.956	04.08.1992	Kernforschungs- Karlshruhe GMBH	///	
		DE.1.648.322	03.24.1971	VDO Tachometerwerke GMBH	///	
		GB 1 428 239	03.17.1976	Cibie Projecteurs	///	

Examiner Signature: <i>Reginald L. Davis</i>	Date Considered: <i>5/2004</i>
--	--------------------------------




¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,556
 ** Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/120,346

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible]

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
  		DE 39 34 280	04.26.1990	CAE di Cipelletti Alberto	
		DE 29 05 063	08.14.1980	Olympia Werke AG	
		WO 94-18010	08.18.1994	Domino Printing Sciences PLC	
		EP 0 398 031	11.22.1990	Seiko Epson Corp.	
		EP 0 427 291	05.15.1991	Seiko Epson Corp.	
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd	
		JP 58 116165 (Abstract)	07.11.1983	Canon K.K.	
		EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA	
		JP 61-268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd	
		JP 04-118241 (Abstract)	04.20.1992	Seiko Epson Corp.	
		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc	
		JP 07 314665 (Abstract)	12.05.1995	Canon Inc	

Examiner Signature	<i>[Signature]</i>	Date Considered	5/2004
-----------------------	--------------------	--------------------	--------

*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,556
 ** Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/120,346

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known Application Number <u>10/713000 TO</u> Filing Date <u>11/17/03</u> First Named Inventor <u>Kia Silverbrook</u> Art Unit <u>2853</u> Examiner Name <u>R. GORDON</u> Attorney Docket Number <u>ZG015US</u>	
Sheet	5	of	7		

[illegible]

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code 3 - Number 6 - Kind Code 4 (if known)			
 		JP 03 180350	08.06.1991	Seiko Epson Corp.	
		WO 97 12689	04.10.1997	The Board of Trustees of Stanford University	the Leland
		JP 02.050841.(Abstract)	02.20.1990	Seiko Epson Corp.	
		EP 0.510.648	10.28.1992	lvri Yehuda	
		JP 05 28765 (Abstract)	10.29.1993	Canon Inc	
		JP 04 141429 (Abstract)	05.14.1992	Seiko Epson Corp.	
		JP 01'105746 (Abstract)	04'24'1989	Ricoh Co. Ltd	
		GB 792 145	03-19-1958	Technograph Printed Circuits Ltd	
		EP 0.750.993	01.02.1997	Canon K.K	
		JP 01 306254.(Abstract)	12.11.1989	Seiko Epson Corp.	
		EP 0 092 229	10.26.1983	Siemens AG	

Examiner Signature	<i>[Signature]</i>	Date Considered	5/2004
-----------------------	--------------------	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

English language translation is advised.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/713095 70
		Filing Date	11/17/03
		First Named Inventor	Kia Silverbrook
		Group Art Unit	2853
		Examiner Name	R. GORDON
Sheet 7 of 7	Attorney Docket Number	ZG015US	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AC		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol-55, no-1, 15-July-1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
		ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
		YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	

Examiner Signature		Date Considered	5/2004
-----------------------	---	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.